

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Knopp	
Application No.: 10/020,068	Group Art Unit: 2828
Filed: 12/14/2001	Examiner: Nguyen
Title: Phase Compensated Distributed Bragg Reflector	
Attorney Docket No.: CORE- 120-370 Nortel Ref: 13921CK	

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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SEP 28 2004

RESPONSE UNDER 37 CFR 1.111

Dear Sir:

In response to the Office Action of June 28, 2004, entry of this response is respectfully requested.

REMARKS

Claims 1-13 are pending in this application. Claims 1-13 were rejected under 35 U.S.C. §102(e) as being anticipated by Hwang. Reconsideration and further examination is respectfully requested.

The claimed invention distinguishes Hwang because the phase compensated reflector reflects pump light at a proper phase relative to the lasing light. As described in the specification at page 6, the wavelength of the pump light λ_p and the wavelength of lasing light λ_l may differ. As described on page 8 of the specification, the reflector helps provide high reflectance at both the pump wavelength and the lasing wavelength. In contrast, Hwang teaches that the phase-matching